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The Synthesis of 1,1-Diphenyl-4(or 4,4)-Alkyl (or Aryl) Alkanes Via 3,3-Diphenyl-butyronitrile, by A. D. Petrov, V. M. Vdovin, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol 27, No 1, 1957, pp 45-47.

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Synthesis of Organosilicon Compounds Containing Carbonyl and Carboxyl Groups, by A. D. Petrov, E. A. Chernyshev, M. Bisky, 4 pp.

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Organomagnesium Synthesis of Silicohydrocarbons Through Secondary β-Halosilanes, by A. D. Petrov, V. F. Mironov, 6 pp.

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Wurtz Synthesis of Organosilicon Compounds Having a Double Bond in the α-Position, by A. D. Petrov, V. F. Mironov and V. G. Glukhovtsev, 6 pp.

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Dehydrochlorination of Dichloroisopropyltrichlorosilanes and Methylation of Chloroisopropenyltrichlorosilanes, by A. D. Petrov, V. F. Mironov, V. G. Glukhovtsev, 4 pp.

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Tertiary Alkyl Fluorides and Alkylene Difluorides in Organomagnesium Synthesis, by A. D. Petrov, V. L. Subkhinsky, N. P. Shebanova, 1 p.

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The Direct Synthesis of Propyl-, Isopropyl-, Butyl-, and Isobutylsilanes, by A. D. Petrov, N. P. Smetankina, G. I. Nikishin, 4 pp.

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Addition of Methyldichlorosilane and Ethyldichlorosilane to Allyl Halides, by V. A. Ponomarenko, B. A. Sokolov, Kh. M. Minachev and A. D. Petrov, 4 pp.

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Synthesis of Acid Chlorides of Silicon-Substituted Ethylphosphinic Acids, by E. A. Chernyshev, A. D. Petrov

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High-Molecular Compounds. XCVII. The Polymerization and Copolymerization of some Silicoolefins, by V. V. Korshak, A. D. Petrov, N. G. Matveeva, V. F. Mironov, G. I. Nikitin, S. I. Sadykh-Zade, 4 pp.

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Dehydrochlorination of Trichloro(chloroallyl)- and Trichloro(dichloroallyl)-Silanes. Rearrangement of 1,1,1,2,4,4,4-Heptachloro-1,4-disilabutane during Dehydrochlorination With Aluminum Chloride, by A. D. Petrov, V. F. Mironov, D. Mekhantsker, 11 pp.

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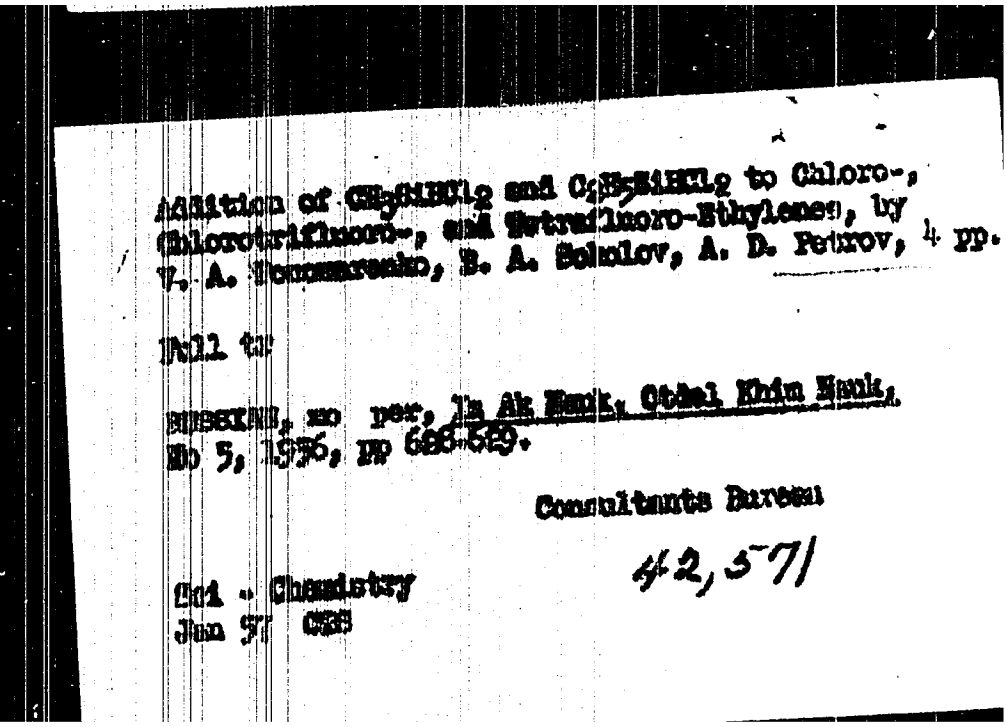

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Reactions of Trichlorosilane and Dichlorodimethylsilane with Benzene, by B. A. Chmutov, A. D. Petrov, 2 pp

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The Direct Synthesis of Alkyl- and Alkenylchlorosilanes from 1,1-Dichloro-ethane and 2,2-Dichloropropane, by A. D. Petrov, S. I. Sadykhzade, and I. L. Tsetlin, 4 pp.

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Synthesis and Properties of (1-Cyano-1-Methylethoxy) Silanes, by A. D. Petrov, V. F. Mironov, V. M. Vdovin, 4 pp.

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Organolithium Synthesis and Properties of α- and β-Alkenylsilanes, by A. D. Petrov, G. I. Nikishin, 6 pp.

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Synthesis of 1,1-Dichlorocyclopentylacetylene, by A. D. Petrov, G. I. Nikishin, N. P. Sorokina, Yu. P. Yefimov, V. M.

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Low Temperature Alkylation of α- and β-Olefins With Tertiary Alkyl Halides in Presence of Zinc Chloride, by A. P. Meshcheryakov, E. I. Erzyutova, A. D. Petrov, 6 pp.

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Reactivity and Molecular Optical Properties of Alkenylsilanes, by A. D. Petrov, Yu. P. Egorov, V. F. Mironov, G. I. Nikishin, A. A. Bugorkova, 6 pp.

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Synthesis of Tetraisobutyl-, Tetraisopropyl-, Tetracyclohexyl- and Tetra-α-naphthyl-silanes, by A. D. Petrov, T. I Chernyshova, 4 pp

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Grignard-Wurtz Reactions with B- and γ- Alkynyl Halides, by A. D. Petrov, E. P. Kaplan, 4 pp.

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Synthesis and Reactions of β Trichlorosilylpropionitrile, by A. D. Petrov, S. I. Sadykh, Zade, V. M. Vdovin.

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On the Synthesis of Gamma-Acetyleneglycols by the Favorskiy-Babaian Reaction, by A. D. Petrov, E. V. Mitrofanova.

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The Mechanism of Polymerization of Propylene and the Structure of Its Dimers and Trimers, by L. I. Antsus, A. D. Petrov, 16 pp.

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Behavior of 3-,4-, and 5-Alkenyl Halides in Condensation Reactions with Alkyl Halides in Presence of Magnesium, by M. A. Cheltsova, E. A. Chernyshev, A. D. Petrov, 6 pp.

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The Condensation of Pinacol-Hydrogen Halide Reaction Products With Allyl Chloride in Presence of Magnesium, by A. D. ~~PETR~~ Petrov, M. P. Shebanova, 6 pp.

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The Synthesis and Decomposition of High-Molecular Weight Glycols, by M. A. Chal'tsova, A. D. Petrov,

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The Condensation of Isobutenylmagnesium Chloride With Carbonyl Compounds and With Tertiary Halides, by A. D. Petrov, V. L. Sushchinsky, L. D. Konoval-chikov, 6 pp.

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Synthesis and Reactions of Chloro(2-Methylallyl) Silanes, by A. D. Petrov, G. I. Nikishin, 6 pp.

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Cyanoethylation of Trichlorosilane, by A. D. Petrov, V. F. Mironov, V. M. Vdovin, S. I. Sadykh-Zade, 2 pp.

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Synthesis of Branched Aliphatic Hydrocarbons of C_{11}-C_{16} Composition Via the β-Alkenyl Halides, by A. D. Petrov, V. M. Malekhin, 6 pp.

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Isomeric Transformations of Acetylene Halides in The Organo-Elementary Synthesis of Alcohols, A. D. Petrov B. P. Kaplan, 6 pp.

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Organomagnesium Synthesis of Dibutyl-1-Naphthylphenylsilane, 1-Naphthyltri-p-Tolylsilane, Tribenzyl-1-Naphthylsilane, and Benzyl-1-Naphthylphenyl-p-Tolylsilane, by V. S. Chugunov, A. D. Petrov, 3 pp.

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Syntheses and Properties of Silicon-Hydrocarbons and Their Derivatives, by A. D. Petrov.

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Synthesis and Properties of Allylsilanes: Triallyl-α-naphthylsilane, Triallylcyclohexylsilane, Triallylbutylsilane, and Allyltributylsilane, by A. D. Petrov, L. L. Shchukovskaya, 2 pp.

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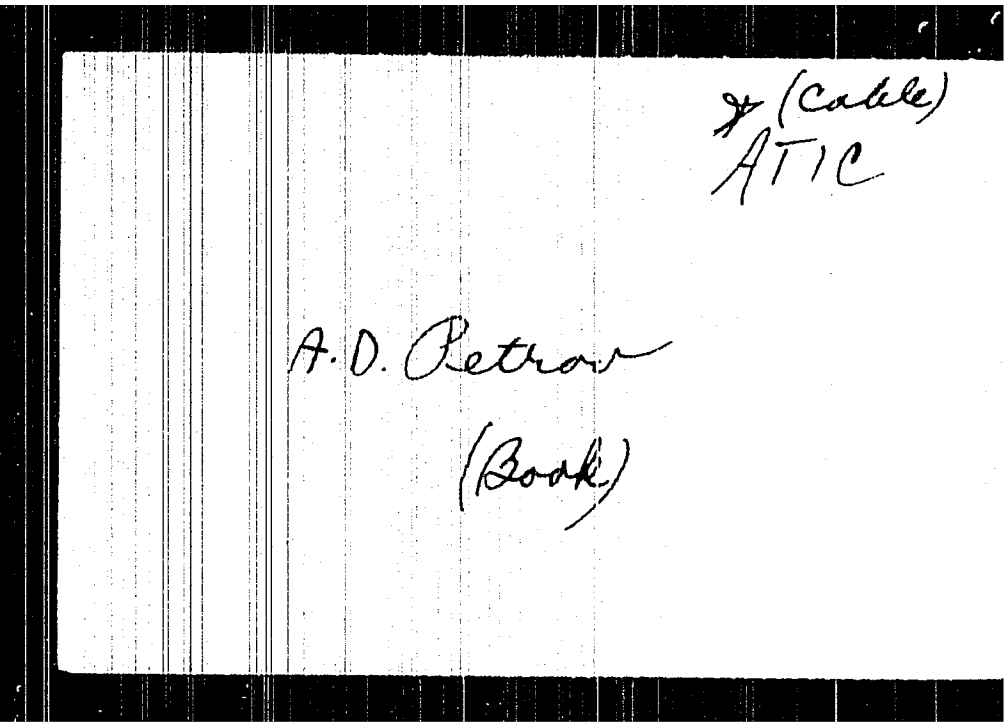

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Behavior of γ-Halogenodialkenyls in the Grignard-Würtz Synthesis, by A. D. Petrov, M. A. Cheltsova, B. A. Chernyshev, 6 pp.

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Synthesis and Properties of (1-Methylallyl)- and 2-Butenyl-Silanes, by A. D. Petrov, V. A. Ponomarenko V. I. Kolkov, 6 pp.

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Synthesis and Properties of Unsaturated Silicohydrocarbons: Dimethyldi-(Methylallyl)-silane, Methyldi(Methylallyl)Silane, Methyltri(Methylallyl)Silane, Tetra(Methylallyl)-Silane, Trimethylcyclopentadienylsilane, and Trimethylbut-3-Enylsilane, by A. D. Petrov, G. I. Nikishin, 4 pp.

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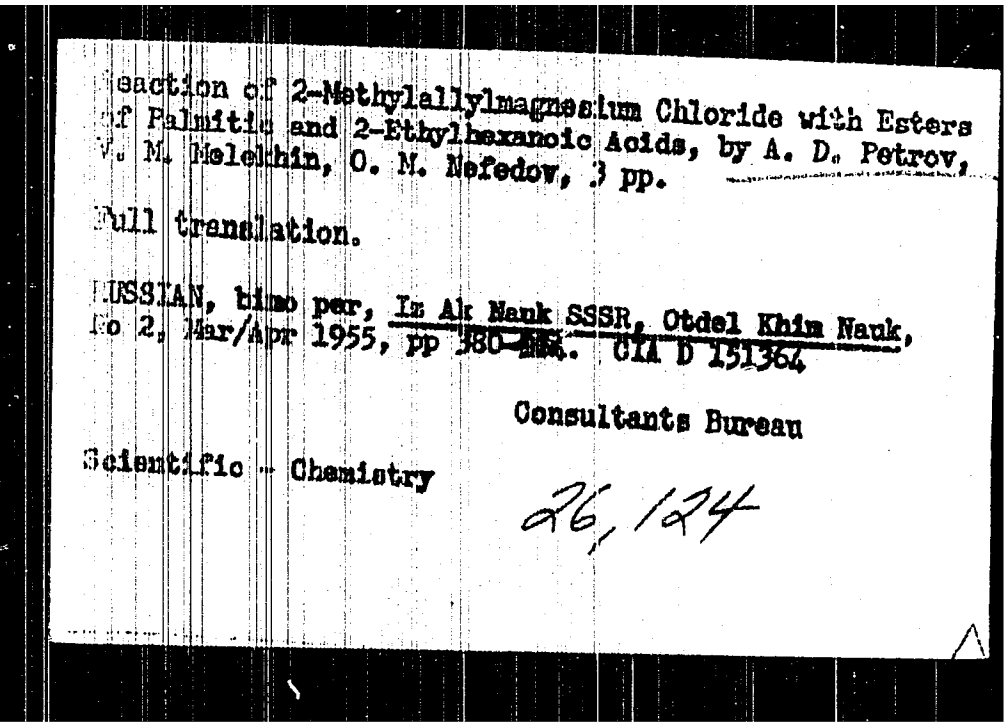

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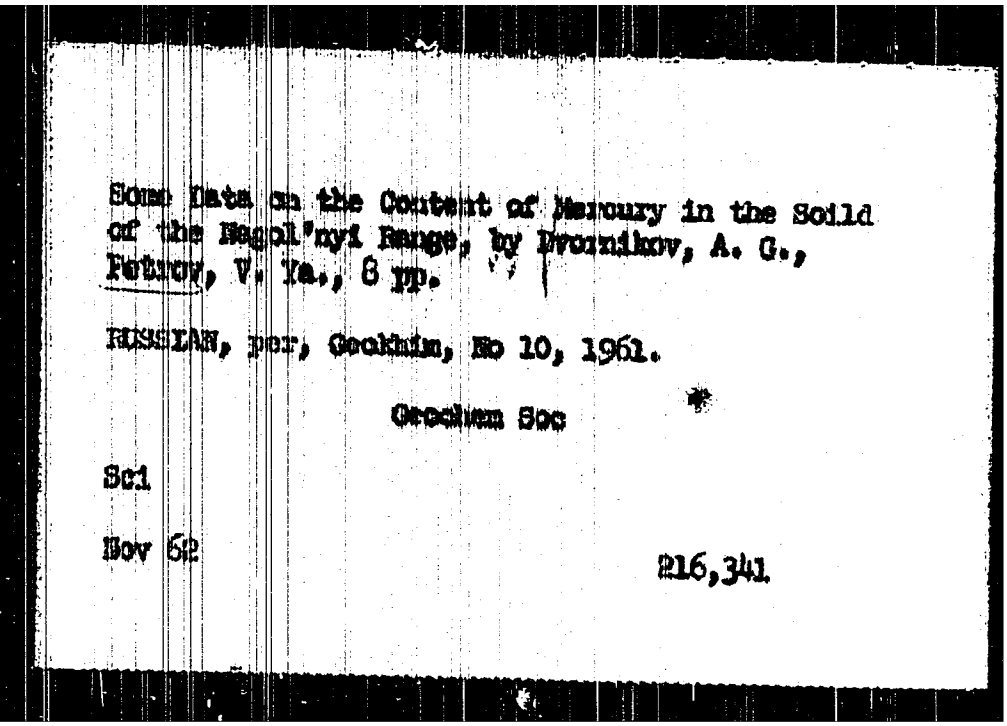

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DESCRIPTORS: *Flowmeters, *Calibration, Fluid flow, *Incompressible flow.

(Mechanics--Hydrodynamics, TT, v. 10, no. 12)

63-20293

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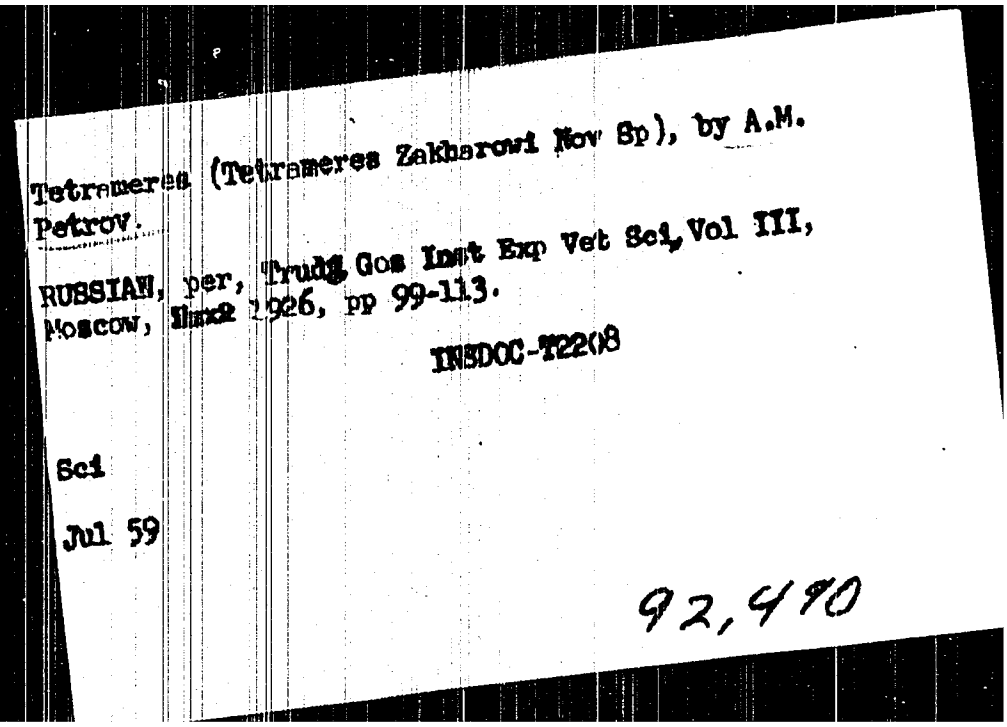

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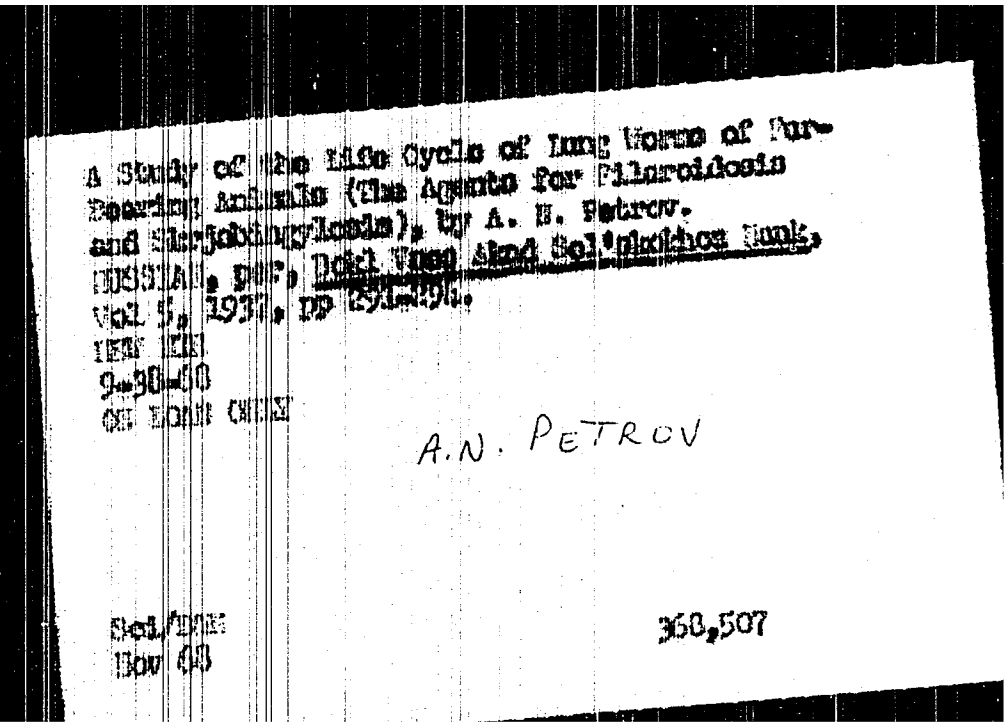

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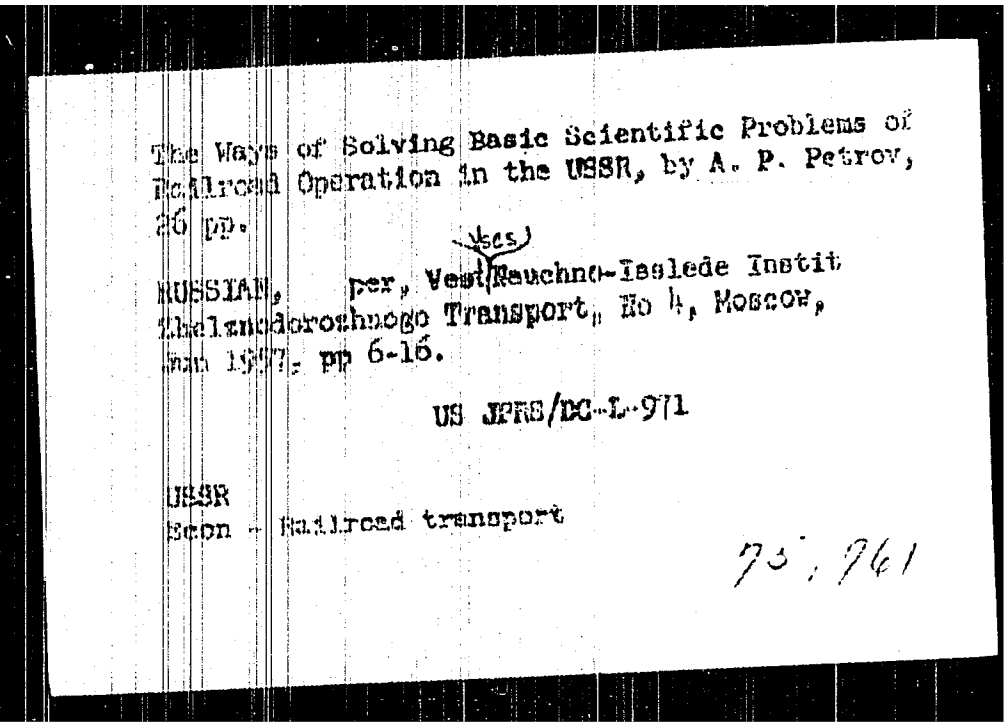

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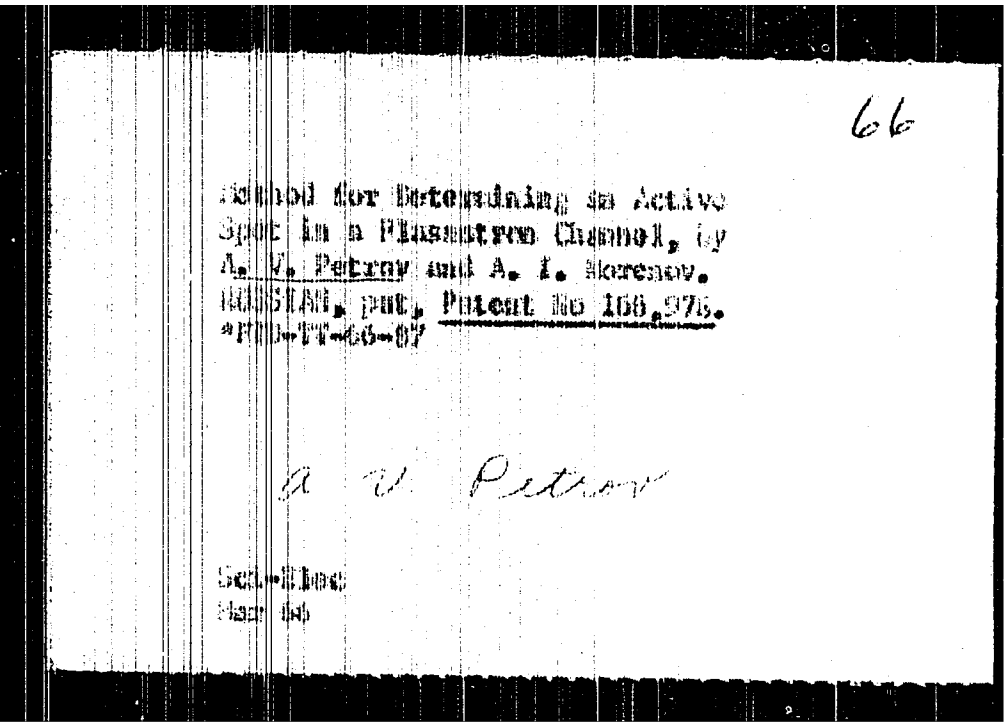

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